## CLAIMS

What is claimed is:

1. An on-screen-display OSD for controlling a cutoff circuit, comprising:

an OSD circuit for receiving an RGB cutoff signal parameters and generating an RGB OSD video signal;

a video mixer for receiving an RGB video signal and the RGB OSD video signal, mixing the RGB video signal and the RGB OSD video signal generating a mixed RGB cutoff signal;

a cutoff circuit coupled to a CRT receiving the mixed RGB cutoff signal to adjust the brightness level of the CRT for aging whereby the mixed RGB cutoff signal includes a brightness component to set the brightness of the CRT during aging.

2. The apparatus according to claim 1, further comprising:

a variable control not coupled to the video mixer for setting a threshold brightness level of the CRT.

3. The apparatus according to claim 2, wherein

the variable control comprises a variable resistor adjusted to a preset brightness level.

4. The apparatus according to claim 1, further comprising:

a microcontroller device for generating said RGB cutoff signal parameters.

5. The apparatus according to claim 4, wherein said parameters generated by the microcontroller including raster size, raster shape and raster distortion.

6. The apparatus according to claim 4, wherein the microcontroller presets the OSD device for aging.

7. The apparatus according to claim 1, further comprising:

a microcontroller for sending RGB parameters via a bus to the OSD device configuring the CRT during aging, wherein the RGB parameters include raster size, position and distortion.

8. The apparatus according to claim 7, further comprising;

the microcontroller initializing a contrast setting of the OSD circuit.

9. The apparatus of claim 7, further comprising:

the microcontroller initializing a character setting of the OSD circuit.

10. The apparatus of claim 7, further comprising:

the microcontroller initializing a position setting of the OSD circuit.

11. An apparatus for controlling aging, comprising:

a microcontroller generating brightness level data to a video input signal for aging of the cathode ray tube;

a video preamplifier connected to the microcontroller receiving the brightness level data by the video input signal and mixing a host video signal to generate a video output signal wherein the brightness level of the video output signal being controlled by the microcontroller;

a cutoff control coupled to the video preamplifier receiving brightness data of the video output signal and setting a proper brightness level of a cathode; and

a voltage control not coupled to the microcontroller preset for a an initial brightness level of the cathode during aging.

12. The apparatus according to claim 11, further comprising:

a bus connector receiving brightness data from the microcontroller and connected to at least the video preamplifier.

13. The apparatus according to claim 12, further comprising:

a drive amplifier connected to the video preamplifier to amplify the video output signal to the cathode.

14. The apparatus according to claim 11, further comprising:

the microcontroller generating a test pattern for controlling the video preamplifier wherein the test pattern setting the brightness level of the mixed output video signal

15. The apparatus according to claim 11, further including:

the microcontroller, video preamplifier, and OSD being formed on a single IC package.

16. The apparatus according to claim 13, further comprising:

a defection device connected via the bus connector to at least the microcontroller receiving synchronized horizontal and vertical signals.

17. A method for controlling aging, comprising:

generating using a microcontroller brightness level data for aging of the cathode to a video input signal;

receiving brightness level data by a video preamplifier connected to the microcontroller and mixing a video input signal and a host video signal to generating a video output signal wherein the brightness level of the video output signal being controlled by the microcontroller;

receiving brightness data of the video output signal to a cutoff control coupled to the video preamplifier and setting a proper brightness level of a cathode; and

presetting a voltage control not coupled to the microcontroller for a an initial brightness level of the cathode during aging.

18. The method according to claim 17, further comprising:

generating a test pattern using the microcontroller for controlling the video preamplifier wherein the test pattern setting the brightness level of the mixed output video signal

19. The apparatus according to claim 17, further including:

forming on a single IC package the microcontroller, video preamplifier, and OSD .

20. An apparatus for controlling aging, comprising:

a microcontroller means for generating brightness level data for aging of the cathode to a video input signal;

a video preamplifier means connected to the microcontroller means receiving the brightness level data by the video input signal and mixing a host video signal to generate a video output signal wherein the brightness level of the video output signal being controlled by the microcontroller means;

a cutoff control means coupled to the video preamplifier means receiving brightness data of the video output signal and setting a proper brightness level of a cathode; and

a voltage control means not coupled to the video preamplifier means preset for a an initial brightness level of the cathode during aging.